AMENDMENTS TO THE CLAIMS

Please amend this application as described in the Listing of Claims, which will replace all prior versions and listings of claims in the above-referenced application.

LISTING OF CLAIMS

- 1-2. (Cancelled).
- 3. (Withdrawn) A method for intranasal administration of calcitonin which comprises administering intranasally to an individual a solution of calcitonin consisting essentially of calcitonin, chlorobutanol at a concentration of 0.25% weight/weight, and water and having a pH of about 3.5, sodium chloride at a concentration of about 0.85%, and optionally hydrochloric acid in an amount sufficient to adjust the pH of the solution to about 3.5, and wherein the aqueous solution has an oxygen at a content of less than about 5%.
- 4. (Withdrawn) The method of claim 3 wherein the calcitonin is present in solution at a concentration of about 0.0355 weight/weight.
- 5. (Withdrawn) The method of claim 3 wherein the calcitonin formulation is administered into a nose of an individual through an actuator tip as a spray, wherein the spray has a spray pattern ellipticity ratio of from about 1.0 to about 1.4 when measured at a height of 3.0 cm from the actuator tip.
- 6. (Withdrawn) The method of claim 5 wherein the spray produces droplets, wherein less that 5% of the droplets are less than 10 microns in size.
- 7. (Withdrawn) The method of claim 5 wherein the spray has a spray pattern major axis of about 31.2 mm and a minor axis of about 27.4 mm.
- 8. (New) A composition comprising: an aqueous solution of calcitonin at a concentration of about 0.0355% weight/weight; chlorobutanol at a concentration of about 0.25% weight/weight; sodium chloride at a concentration of about 0.85% weight/weight; and

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hydrochloric acid in an amount sufficient to adjust the pH of the solution to about 3.5; wherein the composition is suitable for intranasal administration in humans.

- 9. (New) The composition of claim 8, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern ellipticity ratio of from about 1.0 to about 1.4 when measured at a height of 3.0 cm from the actuator tip.
- 10. (New) The composition of claim 8, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern major axis of about 31.2 mm and a minor axis of about 27.4 mm.
- 11. (New) The composition of claim 8, the composition further comprising an aerosol spray through an actuator tip, the spray comprising droplets wherein less that 5% of the droplets are less than 10 microns in size.
- 12. (New) A composition comprising:

an aqueous solution of calcitonin salmon at a concentration of 2200 International Units (I.U.) per ml;

chlorobutanol at a concentration of 0.25% weight/weight; sodium chloride at a concentration of 0.85% weight/weight; and hydrochloric acid in an amount sufficient to adjust the pH of the solution to 3.5; wherein the composition is suitable for intranasal administration in humans.

- 13. (New) The composition of claim 12, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern ellipticity ratio of from about 1.0 to about 1.4 when measured at a height of 3.0 cm from the actuator tip.
- 14. (New) The composition of claim 12, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern major axis of about 31.2 mm and a minor axis of about 27.4 mm.

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15. (New) The composition of claim 12, the composition further comprising an aerosol spray through an actuator tip, the spray comprising droplets wherein less that 5% of the droplets are less than 10 microns in size.

16. (New) A pharmaceutical composition comprising:an aqueous solution of calcitonin salmon at a concentration of 2200 International Units (I.U.) per ml;

chlorobutanol at a concentration of 0.25% weight/weight; sodium chloride at a concentration of 0.85% weight/weight; and hydrochloric acid in an amount sufficient to adjust the pH of the solution to 3.5; wherein the composition is suitable for intranasal administration in humans.

- 17. (New) The composition of claim 16, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern ellipticity ratio of from about 1.0 to about 1.4 when measured at a height of 3.0 cm from the actuator tip.
- 18. (New) The composition of claim 16, the composition further comprising an aerosol spray through an actuator tip, the spray having a spray pattern major axis of about 31.2 mm and a minor axis of about 27.4 mm.
- 19. (New) The composition of claim 16, the composition further comprising an aerosol spray through an actuator tip, the spray comprising droplets wherein less that 5% of the droplets are less than 10 microns in size.